700 Series Manual
MARINE ENTERTAINMENT SYSTEM

MS-IP700i
True Marine Entertainment System for iPod

MS-AV700i
True Marine DVD Entertainment System

WARNINGS AND CAUTIONS

Do not attempt to open the unit's chassis.

There are no user-serviceable parts or adjustments inside.

USING iPod

This unit has been tested with compatible authentic iPod models under normal expected operating conditions, free from any pre-existing defects in either the unit or the iPod.

No responsibility can be taken for use of the unit other than under normally expected operating conditions in conjunction with fully functional and undamaged iPod units which have been manufactured and authorized by Apple Inc.

USB Flash Drives

- **Drive format:** All USB flash drives used with this unit must be formatted to either FAT32 or NTFS format. These are the most commonly used format for USB flash drives.
- **Audio track format:** Audio tracks stored on USB flash drive must be in MP3/ M4A/FLAC format to play on this unit.

Handling CD or DVD disc's (MS-AV700i model only)

- Avoid touching the surface of the disc.
- Avoid exposing the disc to direct sunlight.
- Ensure the disc is clean. If necessary, clean the disc with a clean, dry, soft, lint-free cloth.
- Ensure the disc is not scratched or damaged.
- Ensure the disc is dry when inserted into the unit.

Care and Maintenance

As with all products exposed to the harsh marine environment, a little care will help preserve the finish. FUSION recommends that you clean any salt water and/ or salt residue from the stereo with a damp cloth soaked in fresh water.

Most marine Stereo's have small vents in their cases to allow a way out for moisture that finds its way in. In some limited instances it is possible for moist air to be drawn into the vents when the air inside the Stereo cools down after it is turned off. Direct sunlight on the front can draw this moisture up against the Window, causing fogging. Turning on the Stereo will speed up moisture removal. Fogging is not abnormal, nor will it harm your Stereo, which is built to withstand the harsh marine environment.

USER INTERFACE AND CONTROLS

CONTROL PANEL LAYOUT

BUTTON DESCRIPTION

Menu

Power

Tuner source

Auxiliary

Rewind

Play/Pause

Forward

Mute

Clock

Brightness

PRIMARY SOURCE

MS-IP700i	MS-AV700i
iPod	DVD

ROTARY ENCODER AND MENU KEY

Although the controls of the 700 Series are designed to be intuitive to use, we recommend that you familiarize yourself with the operation of the Encoder and Menu key before using the unit.

ROTARY ENCODER OPERATION

The Encoder can be used in three ways to control the operation of the 700 Series:

1		Rotary Encoder turn
2		Encoder press
3		Encoder press and hold down for at least one second

MENU KEY OPERATION

You can use the Menu key to open or to exit from menus:

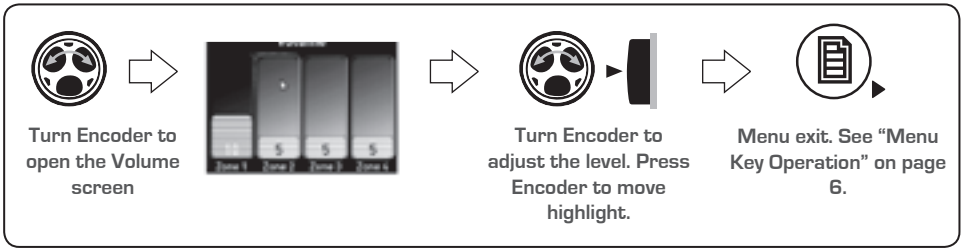
	Menu key	Press the Menu key to open a menu.
	Menu exit	In an open menu you can use the Menu key at any time to save changes and exit: • Press the Menu to exit from the current menu level or control screen. • Press and hold down the Menu key to exit from the menu completely. Or press any other key. **Time out feature:** After 10 seconds of inactivity, the menu exits and any changes are saved automatically.

USING THE ROTARY ENCODER AND MENU KEY

You can use the Rotary Encoder and Menu key to adjust levels, access menus and open control screens.

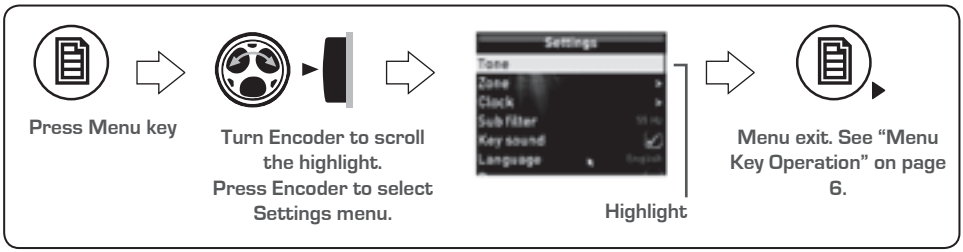
Adjusting levels

Use the Encoder and Menu key to adjust levels on the 700 Series.
For example, to adjust the volume level:


Turn Encoder to open the Volume screen
Turn Encoder to adjust the level. Press Encoder to move highlight.
Menu exit. See "Menu Key Operation" on page 6.

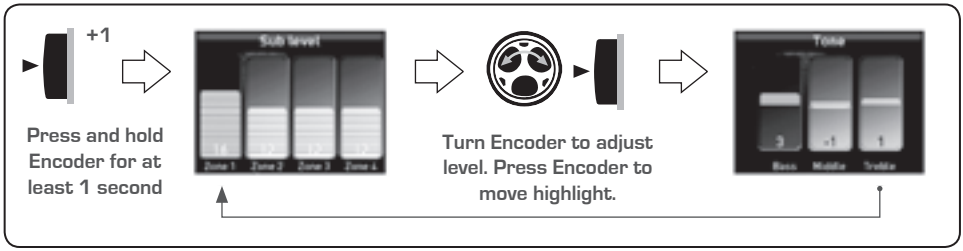
Accessing Menus

Use the Menu key and Encoder to access menus to change settings.
For example, to access the Settings menu:



Opening Control Screens

Use the Encoder to open the Sub Level and Tone control screens to adjust levels:


+1
Sub level
Tone
Press and hold Encoder for at least 1 second
Turn Encoder to adjust level. Press Encoder to move highlight.

GETTING STARTED

POWERING THE UNIT ON OR OFF

When you power on the 700 Series it will automatically start playing music from the most recently selected input source.

To power the unit on or off.

Power	• Momentarily press the Power key to power on the unit. As the unit starts up, a splash screen is displayed for several seconds, followed by the current input source. • When the unit is on, momentarily press the Power key to power off the unit.

INPUT SOURCE SCREENS

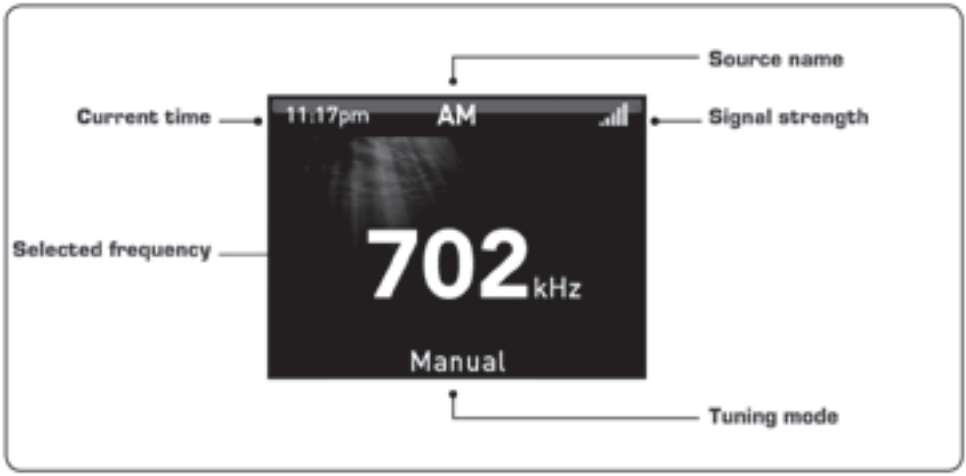
The 700 Series supports a wide range of input source types, depending on model:

- **MS-IP700i** AM/FM/VHF/SiriusXM; iPod/iPhone via internal dock; USB and iPod/iPhone/MTP devices (Android) via external dock or cable; auxiliary; Bluetooth.
- **MS-AV700i** AM/FM/VHF/SiriusXM; CD/DVD; USB and iPod/iPhone/MTP devices (Android) via external dock or cable; auxiliary; Bluetooth.

Both models are also SiriusXM-Ready (USA only). Requires optional SiriusXM Connect Vehicle Tuner. For further details of setting up SiriusXM options see “SiriusXM Satellite Radio” on page 45.

When you select one of these sources, the 700 Series displays a source screen, similar to the AM source screen shown in Figure 1 below. The title bar always shows the current time and source name. Other information varies depending on the source type you have selected.

Figure 1 – Example source screen (AM input selected)



ADJUSTING VOLUME LEVEL

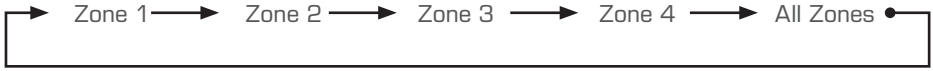
The 700 Series allows you to control speaker output volume level in up to four named areas called Zones. Note: Zone 3 and 4 require additional amplification.

If you wish, you can customize the settings for each Zone by defining a volume limit, a balance setting, a sub-woofer level and a personalized name (such as “Saloon” or “Galley”). For further details see “Zones” on page 36.

To adjust the volume level:

1. Turn the Encoder.
   - The Volume screen is displayed with the Current Zone Selection Highlighted (remembered from previous use).
   - The volume is adjusted in the highlighted Zone (or Zones) only.

2. If required, press the Encoder to highlight the next Zone to adjust its volume level.
   While the Volume screen is displayed, each press of the Encoder will highlight available Zones in the following order:



3. When finished, press the Menu key (or leave to time out) to save the current volume level and exit.

MUTING OUTPUT

To mute and unmute the volume:

Mute	• Press the Mute key to mute the audio output. The Mute icon is displayed over the top of the current input source screen. • Press the Mute key again to unmute the audio output. The volume continues at the previously set level.

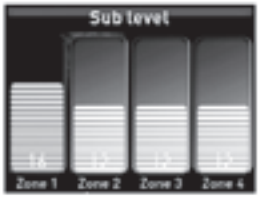
ADJUSTING SUBWOOFER LEVEL AND TONE

Use the Sub level and Tone screens to set the sub-woofer levels and tone. Sub-woofer level can be adjusted for each Zone individually, but tone adjustments affect all Zones.

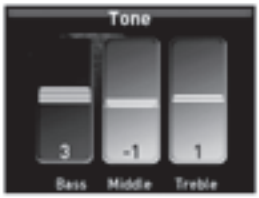
Menu key	**Encoder**

To set sub-woofer levels or tone:

1. Press and hold down the Encoder for at least one second. The Sub level screen is displayed.



2. Turn the Encoder to adjust the sub-woofer level for the highlighted Zone, as required.
3. Press the Encoder to highlight the next Zone, and adjust as required. When you press the Encoder in the last Zone, the Tone screen is displayed.



4. Turn the Encoder to left or right to adjust the Bass level, if required.
5. Press the Encoder to highlight each tone control, and adjust as required. When you press the Encoder on the Treble tone control, the Sub level screen is displayed again.
6. Press any key to exit

DISPLAYING THE CLOCK

Use the Clock key to display the current time. If the time is incorrect, see “Clock Setting” on page 44.

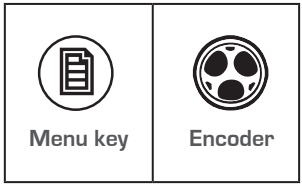
Note: The current time is also displayed in the title bar of each input source screen.

Clock	• Press the Clock key to display the current time

SETTING AND CLEARING THE ALARM

Use alarm mode to turn on the 700 Series at a pre-defined time.

When the alarm is activated, your 700 Series will play the last selected input source at the volume level in use when the unit was turned off.



To set the alarm:

1. Press the Menu key.
2. Turn and then press the Rotary Encoder to select **Settings > Clock > Set alarm.**
3. Do one or both of the following:
   - Turn the Rotary Encoder to change the hour setting.
   - Press the Rotary Encoder to move to the minutes field. Adjust the minutes setting as required.
   - Press the Rotary Encoder to move to the AM/PM field (if enabled). Turn encoder to select AM or PM.
4. Press the Menu key to save the time settings and exit (the time out feature does not operate here).
5. Highlight the **Alarm enabled** checkbox and press the Encoder to enable it (☑).
6. Press any key to exit

To clear the alarm:

1. Press the Menu key.
2. Turn and then press the Rotary Encoder to select Settings > Clock.
3. Highlight the Alarm enabled checkbox and press the Rotary Encoder to disable it (☐).
4. Press any key to exit

ADJUSTING SCREEN BRIGHTNESS

Note: LCD and button backlight brightness can be linked to the ambient lighting level. For further details, see "Installing the 700 Series" on page 34.

To adjust the brightness of the display screen:

1. Press the Brightness key. The Brightness screen is displayed.

2. Turn the Rotary Encoder to adjust the brightness setting.
3. Press any key to exit

TUNER

LISTENING TO THE TUNER

To select one of the available tuner bands:

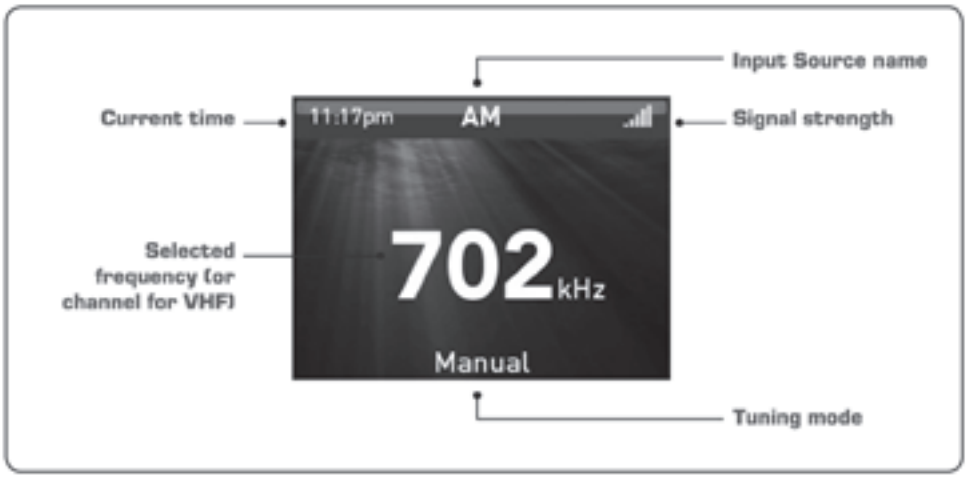
Tuner	• Press the Tuner key to select input from each of the following in turn: AM, FM, VHF or SiriusXM (USA only) requires optional SiriusXM Connect Vehicle Tuner. The applicable input source screen is displayed for each band.

TUNER SOURCE SCREENS

AM/FM/VHF

An example of a typical tuner input source screen is shown in Figure 2 below.

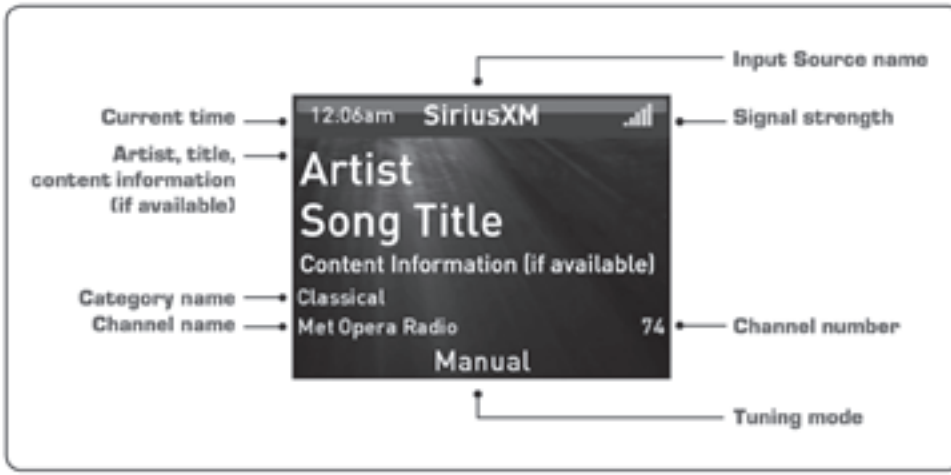
Figure 2 – Example AM band input source screen



SiriusXM

An example of the SiriusXM input source screen is shown in Figure 3 below.

Figure 3 – Example SiriusXM input source screen



TUNING METHODS

You can use three methods to tune the 700 Series: manual, automatic and preset.

Encoder	Menu key	Play / Pause	Rewind	Fast Forward

To tune to a required frequency, channel or preset:

Press the Play / Pause key to step through the available tuning methods for each band:

Note: Preset function only available if 2 or more presets are saved

Tuning Method	Applies to...	When tuning with this method...
Manual	All bands	• Press the Forward or Backward key to step through the range of frequencies or channels one at a time. • Press and hold down the key for rapid scanning of frequencies or channels.
Manual	SiriusXM	• Press the Forward or Backward key to step through all channels one at a time.
Category	SiriusXM	• Press the Play / Pause, Forward or Backward key to step through the channels in the selected category. • Only available when a category is selected in the **Category** menu item. For further details see "Category" on page 47.
Auto	AM/FM	• Press the Forward or Backward key to start searching for available stations. • Press the Play / Pause, Forward or Backward key to stop the search.
Scan	VHF	• Scans through preset channels, pausing on a channel while it is transmitting. • Only available if there are two or more presets saved. • If there is any background noise, the scan will stop. For further details see "Minimizing background noise" on page 18. • Press the Play / Pause, Forward or Backward key to turn scan mode off. For further details see "Turning scan mode on" on page 19. **NOTE: The Scan function is activated from the settings menu, see 'Setting up VHF'**
Preset	All bands	• Press the Forward or Backward key to step through available presets. • Only available if there are two or more presets saved. • To tune to a specific preset: a. Press the Menu key, and then press the Encoder to select **Presets.** b. Turn the Encoder to highlight the required preset. c. Press the Encoder to tune to the highlighted preset. For further details, see "Adding and Removing Presets" on page 18.

ADDING AND REMOVING PRESETS

The 700 Series allows you to set up your favorite AM/FM stations, VHF or SiriusXM channels as presets for easy recall.

Note: Up to 15 presets can be stored for each radio band.

Encoder	**Menu key**	**Play / Pause**	**Rewind**	**Fast Forward**	**Tuner**

To add a new preset:

Do one of the following.

1. Tune the 700 Series to the required frequency or channel.
2. Press and hold down the Play / Pause key. The message: "Preset saved" is displayed briefly.

or

1. Press the Menu key.
2. Turn and then press the Encoder to select **Presets > Save current.** The message: "Preset saved" is displayed briefly.

To remove one or more presets:

1. Press the Menu key.
2. Turn and then press the Encoder to select **Presets > Remove presets.**
3. Do one of the following (there is no warning or confirmation prompt before deletion):
   - Select **Remove all presets** and press the Encoder to remove all current presets.
   - Select a preset and press the Encoder to remove the selected preset.
4. Press any key to exit

SETTING UP VHF

Note: A marine FM antenna is required for VHF reception, DO NOT connect to a VHF splitter.

Minimizing background noise

Use the Squelch feature to reduce background noise on VHF input. Select a VHF channel, and then adjust the squelch control while there is nothing being transmitted on the channel.

To set the squelch level:

1. Press the Menu key.
2. Turn and then press the Encoder to select **Squelch.**
3. Turn the Encoder to adjust the squelch level:
   - Increase the squelch level until the background noise is muted.
   - Reduce the squelch level if the audio transmission is not heard.

4. Press any key to exit

Turning scan mode on
Scan mode allows the 700 Series to scan through preset VHF channels, looking for active channels.
Note: If the Squelch level is adjusted so that you can hear a constant hissing sound, the unit will not scan correctly. To correct this, see "Minimizing background noise", above.

To turn scan mode on:
1. Press the Menu key.
2. Turn the Encoder to highlight the **Scan** menu item.
3. Press the Encoder to select the checkbox (☑). Scan mode is turned on and the menu exits automatically.

Note: Pressing the Play / Pause, Forward or Rewind key turns scan mode off.

PLAYING MUSIC CONTENT

Before you can use your media device as an input source you must first connect the device to the FUSION stereo as described in the installation section.
To listen to audio from your iPod, MTP device, Bluetooth device or USB FLASH drive:

ANDROID (MTP) SUPPORT: MTP is a standard developed for connecting media (music) devices over USB. It has been adopted on a number of platforms including Android. FUSION currently supports a range of smartphones utilising MTP.

MS-IP700i	**iPod**	• Press the iPod key. The iPod input source screen is displayed. The most recently selected track starts playing at the current play point. • To appear on the iPod source screen the iPod may be inserted either into the internal dock or an external UNI-Dock or connected to the external USB connector.
MS-AV700i, MS-IP700i	**Auxiliary**	• Press the Auxiliary key. Keep pressing the key until the iPod (MS-AV700i only), USB, Bluetooth or MTP source screen is displayed.

IPOD, MTP, BLUETOOTH AND USB SOURCE SCREENS

An example of a typical input source screen;

Note: The availability of song information such as song title, artist name, track duration and album cover artwork is dependent on the capability of your phone and music application. Album cover artwork and Shuffle/Repeat Status icons are not supported over Bluetooth.

Note: For Bluetooth a FUSION Bluetooth module MS-BT200 is required.

CONTROLLING iPod PLAYBACK

Selecting tracks from a playlist

There can be thousands of tracks on an iPod, so you need to select the tracks you wish to play from one of the groupings available (such as Playlists, Artists, Albums). For example, to select tracks by artist:

Press Menu key

Turn Rotary Encoder to scroll the highlight. Press Rotary Encoder to select Artist.

Turn Rotary Encoder to scroll the highlight. Press Rotary Encoder to select the artist or track.

Note: Additional "A, B, C…" menu may appear if FAST is enabled. See "Searching" on page 23).

Menu exit. See "Menu Key Operation" on page 6.

Controlling Playback

You can control iPod playback with the Play / Pause, Forward and Rewind keys. The selected track starts playing automatically.

If you want to:	Use:	Notes:
Play / Pause a track	Play / Pause	• Press the key to pause the current track. The pause icon (▮▮) is displayed top right in the input source screen. • Press the key again to resume play. The play (▶) icon is displayed in the input source screen.
Skip	Forward	• Press the key to skip to the start of the next track.
	Rewind	• Press the key to skip to the start of the current track. • Press the key twice to skip to the start of the previous track.
Fast forward / Rewind	Forward, or Rewind	• Press and hold down the key to fast forward (or Rewind) the playback. The fast forward (▶▶) (or Rewind) icon is displayed in the input source screen. • Fast forward and rewind are not available for the Bluetooth and MTP sources.

CONTROLLING BLUETOOTH AND MTP PLAYBACK

Initial Song Title Loading From MTP Devices

Following connection to the USB connector, the FUSION stereo will download the full list of song names from the device to create a song title index. This process must be completed before music playback can begin. For devices with large music collections this may take several minutes. The song count will be displayed during this process.

Other sources can be selected while this process is underway. The file name download and indexing will continue as a background task.

Music Folder Structure

FUSION recommends that folders contain no more than 300 files each. Exceeding this limitation may cause the phone to become unresponsive and the FUSION Stereo to reset the USB link to the phone.

Music files must be located in a folder using one of the following names. The folder must be located in the root directory of your device.

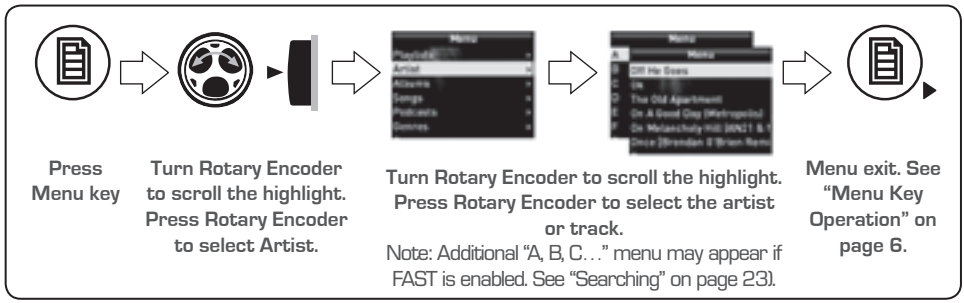
My Music
My_Music
mobile
Music

SD cards may be used on devices that support them. Songs may be copied to both the phone's internal memory and the external memory. The rules regarding folder naming apply to both memory types.

Selecting audio tracks from a MTP media device.

Songs stored in MP3 and M4A format (see note below) can be played on the FUSION Stereo. The FUSION Stereo will display your music collection in groupings of Songs, Albums and Artists allowing you to browse in these categories. In addition to the above groupings your music collection can be browsed according to the folder structure on your device. The root folder for your device will be displayed in the Settings menu, for example; PHONE, CARD, etc. Storage card locations on phones are also supported.

Note: Different operating systems and phones provide varying levels of support for MTP.



Press Menu key

Turn Rotary Encoder to scroll the highlight. Press Rotary Encoder to select Artist.

Turn Rotary Encoder to scroll the highlight. Press Rotary Encoder to select the artist or track.

Note: Additional "A, B, C…" menu may appear if FAST is enabled. See "Searching" on page 23).

Menu exit. See "Menu Key Operation" on page 6.

You can control playback with the Play / Pause, Next and Previous keys. The selected track starts playing automatically.

If you want to:	Use:	Notes:
Play / Pause a track	Play / Pause	• Press the key to pause the current track. The pause icon (▮▮) is displayed top right in the input source screen. • Press the key again to resume play. The play (▶) icon is displayed in the input source screen.
Skip	Next	• Press the key to skip to the start of the next track.
	Previous	• Press the key to skip to the start of the current track. • Press the key twice to skip to the start of the previous track.

Browsing Music Collections Over Bluetooth Not Supported
Browsing music collections from the FUSION Stereo is not supported over Bluetooth. Initial song and Playlist selection must be done on the media device. However the FUSION Stereo does provide basic playback control with the Play / Pause, Next and Previous keys. Forward and Rewind functions are not supported

CHANGING iPod SETTINGS

Additional iPod control features are available through the **iPod settings** menu.

Press Menu key

The iPod control menu is displayed

Turn Encoder to scroll the highlight down to iPod settings.

Press Encoder to select iPod settings. Change settings as described below.

Menu exit. See "Menu Key Operation" on page 6.

To change a setting in the iPod settings menu:
Turn and then press the Rotary Encoder to select one of the following settings to change. Then:

- Turn and then press the Rotary Encoder to select the required setting

Repeat

- **Off.** Repeat mode is turned off
- **One.** Repeat the current song
- **All.** Repeat all songs in the current selection

Shuffle

- **Off.** Random play shuffle is turned off
- **Tracks.** Shuffle tracks on the current album
- **Albums.** Shuffle albums in the current selection

Searching
If your iPod contains more than 100 artists, songs or albums, you can use FUSION Alpha Search Technology (FAST) to quickly navigate by letter or number. Use this option to control when to display the FAST menu.

- **Off.** The song/album list is displayed but not the FAST menu.
- **100–800.** Display the FAST menu when your iPod contains more than the selected number of items.

CHANGING MTP SETTINGS

To change a setting in the MTP settings menu:

1. Press the Menu key while the MTP Source screen is displayed.
2. Turn and then press the Rotary Encoder to select one of the following settings to change.

- Repeat On/Off. Repeat mode is turned on/off (not supported on all devices)
- Shuffle On/Off. Random play shuffle is turned on/off (not supported on all devices)

CHANGING BLUETOOTH SETTINGS

To change a setting in the Bluetooth settings menu:

1. Press the Menu key while the BT Source screen is displayed.
2. Turn and then press the Rotary Encoder to select one of the following;

- List of Paired Bluetooth media devices.

To connect to an active device on the Paired Devices list rotate the rotary encoder to select the device. Press the rotary encoder to tick the check box.
The device must be turned on, with Bluetooth on and not connected to another Bluetooth device, otherwise it will not connect.

- Discoverable Off/On.

Enable this option to make the BT-200 Bluetooth module discoverable to Bluetooth media devices. Press the encoder to tick/untick the check box.

Note: To prevent interruption to audio streaming over Bluetooth it is recommended that the Discoverable feature is turned off after pairing your device to the FUSION Stereo.

- Remove Devices.

Select this option to display the current list of paired devices. Select the device to be removed by rotating and pressing the rotary encoder.

AUXILIARY INPUT

LISTENING TO AUXILIARY INPUT

The 700 Series can accept audio input from a TV, games console, portable player, computer, DVD player or any compatible device.
To listen to input from an auxiliary device:

Auxiliary	• Press the Auxiliary key to step though the available sources. Keep pressing the key until the Aux screen is displayed.

AUXILIARY SOURCE SCREEN

The input source screen displayed when you select alternate auxiliary input will depend on how the unit has been set up. The screen to display can be selected from one of the screens shown in Figure 6, below.

Figure 6 – Examples of auxiliary input source screens

Input level for the selected device can be adjusted if required. For further details, see “Preparing for Auxiliary Input” on page 43.

ADDITIONAL FEATURES

FUSION-Link

FUSION-Link has the ability to fully control on-board FUSION Entertainment systems (Supported models), by utilizing FUSION-Link capable multi-function displays installed at the helm, flybridge or nav station of the vessel, providing integrated entertainment control and a less cluttered console.

You can control one or more FUSION-Link capable stereo units from a single location on the boat with the touch of a button. FUSION-Link operates over existing industry standard networks including Ethernet, NMEA2000 and WiFi.

Link Zones or manage the entire audio system from the steering station on the boat. The partnered multi-purpose display becomes the portal to which all audio on the vessel is controlled, no matter where on the vessel the stereo is installed. The FUSION-Link equipped stereo can be installed out of sight if space is an issue and users need to visit the unit only to replace removable media.

TOTAL AUDIO CONTROL VIA NMEA 2000

NMEA 2000 is the most popular marine standard for data communication within vessels. It has become the standard for sending navigation and engine management data within vessels. FUSION introduces an industry-first product by incorporating NMEA 2000 functionality in its audio remote control devices. This will enable the user to monitor a series of available NMEA sentences. Visit **www.fusionelectronics.com** for a full list of supported NMEA sentences.

FUSION MS-NRX200I REMOTE CONTROL (SOLD SEPARATELY)

The 700 Series Marine Stereo can be controlled by MS-NRX200i wired remote controls installed in the audio Zones throughout the vessel. The remote Control has a full-featured user interface. To the user, operating the entertainment system from the remote control is very similar to operating it from the main unit. It includes a full size LCD screen and provides full functionality for navigating iPods and iPhones.

FUSION's MS-NRX200i wired remote controls are capable of operating over an existing NMEA 2000 network, removing the need to wire back to the stereo unit. Smaller or older vessels without NMEA 2000 can still have FUSION MS-NRX200i wired remotes installed by utilising our standard FUSION remote control network.

The remote control will also serve as an NMEA repeater displaying NMEA navigation data or vessel performance data from other NMEA devices on an existing NMEA 2000 network.

ETHERNET SUPPORT

Connect an All-In-One-DHCP Wireless Ethernet Router to the 700 Series entertainment system and Apple® devices like the iPad, iPhone and iPod touch® can wirelessly control the audio around the boat. Apps are available as a free download to enable iPad, iPhone or iPod touch wireless control from the iTunes app store. Android apps are available through Google Play.

INFRARED (IR) REMOTE

MS-AV700i model only

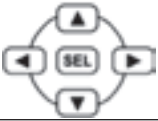
You can use the IR remote to navigate through most functions in all sources

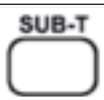
DVD source selected.

The following keys work the same way as the matching Head unit keys in all sources.			
⏻	Power On / Off	🔇	Mute all sound
⏯	Play / Pause	🕐	Display clock
⏮	Skip back	⏭	Skip forward

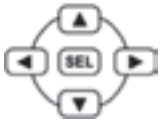
The following keys work the same way in all sources.	
⏻	Change source
+ VOL −	Volume Up / Down

The following keys work for DVD / iPod / USB sources only.	
RDM	Random / Shuffle
RPT	Cycle through repeat options

The following keys work for the SiriusXM source	
	Skip channels Forward /Back
	Press to select Manual or Preset tuning methods.
	Press to display the SiriusXM menu that provides access to control options. Press Menu key to exit current menu screen.
	Use the arrow keys to navigate through menus. Press select (SEL) to choose the highlighted menu item.

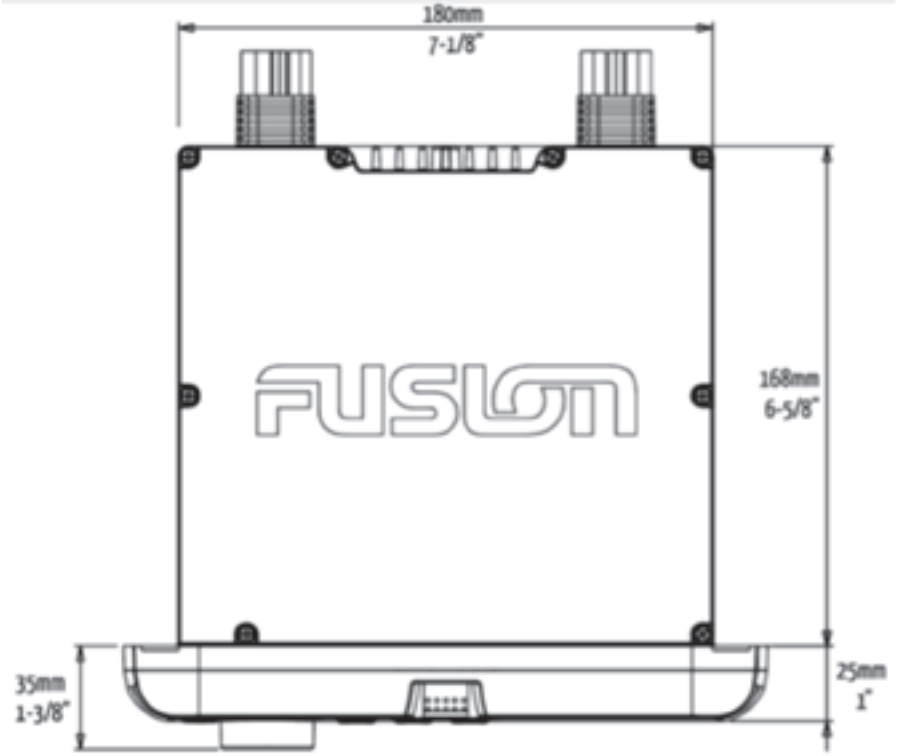
When the DVD source is selected, use the following keys to control specific features.	
	Open a menu in the TV display.
	Display on the TV display which CD track, DVD chapter and title you are currently watching or listening to.
	Zoom in on the picture for the currently playing DVD.
	Cycle through the available subtitle languages found in the playing DVD.
	Open the DVD setup menu on the TV display.

DVD source not selected

When the DVD source is not selected, use the following keys for navigating the 700 Series menu.	
	Open the menu for navigation.
	Use the arrow keys to navigate through menu, and press select (SEL) to choose the highlighted menu item.

Dimensions are in millimetres (mm) and inches (”). Not to scale.

Figure 7 – Dimensions - top view



CONTENT OF BOX

- 1 x MS-AV700i or MS-IP700i Stereo
- 1 x Protective Dust Cover
- 1 x FUSION Drop Cable CAB000851. See note below.
- 1 x Power Cable Loom
- 1 x Speaker Cable Loom
- 1 x Set of iPod/iPhone Sleeves (MS-IP700i only)
- 4 x Mounting Screws
- 2 x Mounting Brackets
- 1 x Mounting Gasket
- 1 x User Manual
- 1 x Mounting Template
- 1 x Warranty Card

Note: The CAB000851 Drop Cable is required for connection to a FUSION Remote Control Network (FRCN). Not required for connection to an existing NMEA 2000 network. Refer to the Installation Section for details.

Figure 8 – Dimensions - side view

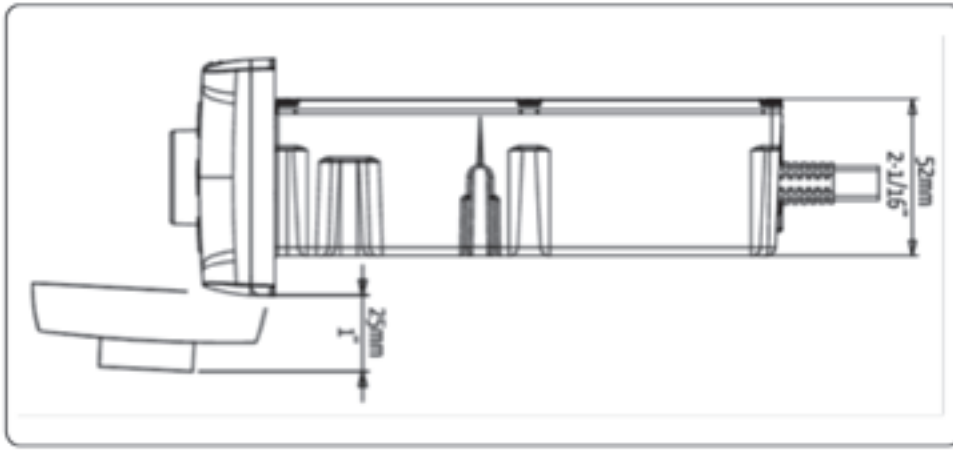
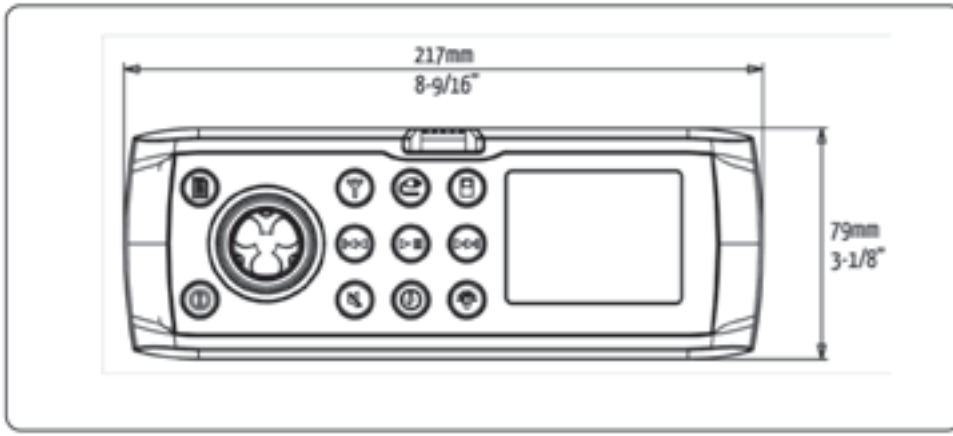


Figure 9 – Dimensions - front view



CONNECTIONS

DESCRIPTION	COLOUR
Battery +12VDC	Yellow
Accessory +12V switched	Red
Negative Ground	Black
Remote Amplifier Enable ouput	Blue/White
Dim input [12VDC active]	Orange
Telemute input [GND active]	Brown

Note: All +12V wiring MUST be fused at the power source end of your cable, with a 15 A fuse. When the red "Accessory +12V switched" wire is not required in your installation, it MUST be connected together with the Yellow "Battery +12V" wire at the MS-700i head unit wiring loom.

When connecting the Dim input ensure the wire gauge used is suitable for the fuse supplying the circuit being connected to.

ANTENNA CONNECTION

Connect an AM/FM marine antenna.
Note: Do Not Connect to a VHF splitter

AUX INPUT

Connect an Auxiliary source to the left and right RCA (White = L, Red = R).

VIDEO CONNECTION

(MS-IP700i iPod/iPhone video only, MS-AV700i DVD video only)
Connect the composite video output (Yellow = Video) to a TV / LCD monitor
(MS-IP700i iPod/iPhone video is only available if device is inserted in internal dock).

USB CONNECTION

Connect an Apple sync cable (not included), or USB Flash Drive (not included) or connect the MS-UNIDOCK Portable Media Device Dock (not included)

NMEA2000 / WIRED REMOTE

For connection to a MS-NRX200i Remote (not included).
For connection to an existing NMEA2000 Bus a CAB000852 Drop Cable (not supplied) and CAB000581 T-Connector (not supplied) are required.

IMPORTANT NOTE:
1. The CAB000851 drop cable supplied with the 700 Series is required for connection to a FUSION Remote Control Network (FRCN).

Note: FUSION recommends updating all remote(s) software via the MS-700i at time of installation to ensure compatibility. This can be done via the Update menu. Please refer to your remote manual for more information.

ETHERNET CONNECTION TO PARTNERED MFD

For connection to a DHCP Ethernet Router or FUSION-Link partnered Multi Function Displays.

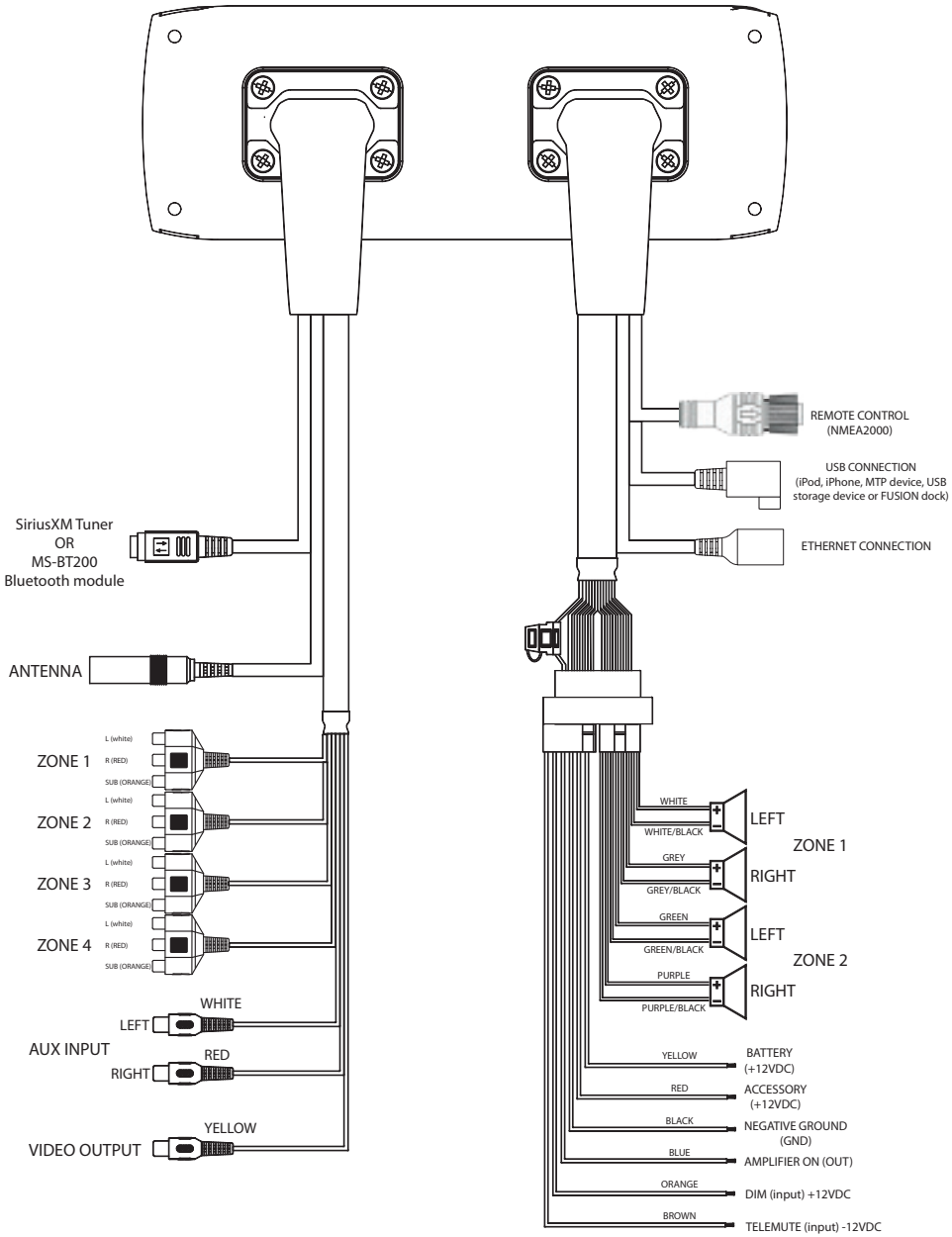
SiriusXM SATELLITE RADIO

(A) Connect to SiriusXM Connect Vehicle Tuner (not included) (For use in USA only)
(B) Connect the MS-BT200 module (not included)

ZONE	CONNECTIONS
Zone 1	White = Speaker Left Positive White / Black = Speaker Left Negative Grey = Speaker Right Positive Grey / Black = Speaker Right Negative
Zone 2	Green = Speaker Left Positive Green / Black = Speaker Left Negative Purple = Speaker Right Positive Purple / Black = Speaker Right Negative

Note: Speaker connection (2 Ohm Stereo minimum). 2 pairs of 4 Ohm speakers per channel can be connected in parallel to achieve 2 Ohm configuration

Zone 1 Line Out (Red wire)	Low level output (For connection to external amplifier) White RCA = Left Output Red RCA = Right Output Brown RCA = Subwoofer Output
Zone 2 Line Out (White wire)	Low level output (For connection to external amplifier) White RCA = Left Output Red RCA = Right Output Brown RCA = Subwoofer Output
Zone 3 Line Out (Grey wire)	Low level output (For connection to external amplifier) White RCA = Left Output Red RCA = Right Output Brown RCA = Subwoofer Output
Zone 4 Line Out (Black wire)	Low level output (For connection to external amplifier) White RCA = Left Output Red RCA = Right Output Brown RCA = Subwoofer Output


REMOTE CONTROL
(NMEA2000)
USB CONNECTION
(iPod, iPhone, MTP device, USB
storage device or FUSION dock)
ETHERNET CONNECTION
SiriusXM Tuner
OR
MS-BT200
Bluetooth module
ANTENNA
ZONE 1
ZONE 2
ZONE 3
ZONE 4
L (white)
R (RED)
SUB (ORANGE)
AUX INPUT
WHITE
LEFT
RED
RIGHT
VIDEO OUTPUT
YELLOW
WHITE
WHITE/BLACK
GREY
GREY/BLACK
GREEN
GREEN/BLACK
PURPLE
PURPLE/BLACK
LEFT
RIGHT
ZONE 1
LEFT
RIGHT
ZONE 2
YELLOW
BATTERY
(+12VDC)
RED
ACCESSORY
(+12VDC)
BLACK
NEGATIVE GROUND
(GND)
BLUE
AMPLIFIER ON (OUT)
ORANGE
DIM (input) +12VDC
BROWN
TELEMUTE (input) -12VDC

INSTALLATION

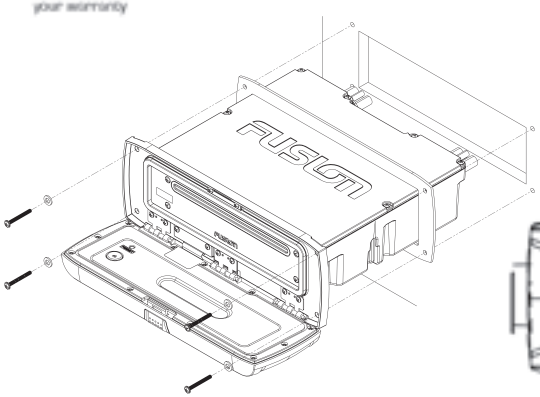
IF ANY MODIFICATION TO THE VESSEL IS REQUIRED, SUCH AS DRILLING HOLES ETC, FUSION RECOMMENDS CONSULTATION WITH YOUR BOAT DEALER OR MANUFACTURER BEFOREHAND.

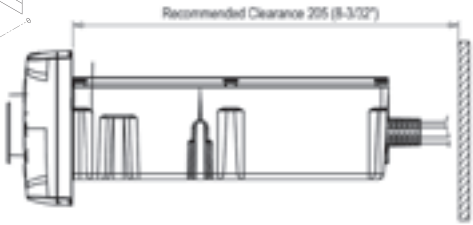
>> Fit mounting gasket
>> Insert the unit into the mounting hole
>> Pull down the front face to expose the mounting screw locations
>> Use either the supplied 4 x wood screws, or 4 x machined screws and metal clamps to affix the unit into position.

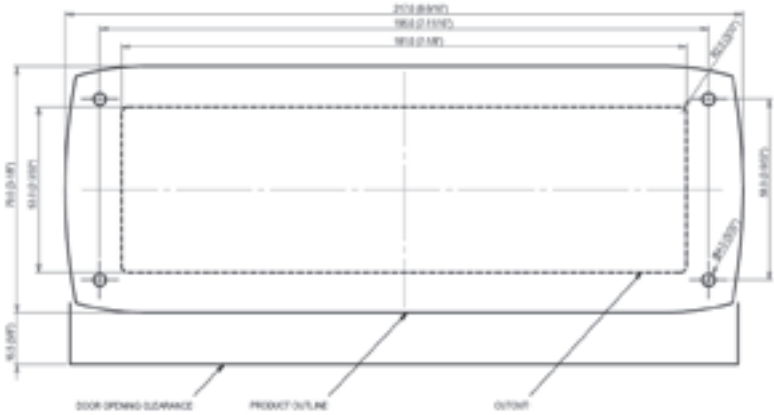
Note: The head unit must not be mounted on more than a 45° angle from the horizontal plain. Failure to follow mounting restrictions could void your warranty

Note: In some circumstances a back strap or brace may be required at the rear of the unit (Back Strap / Brace is not included).

Appropriate mounting is very important to ensure correct operation. Select a location that allows both free/open airflow around the rear of the chassis, whilst minimizing exposure to moisture. Allow adequate room at the rear of the unit for the cable looms (approx 2 - 3").



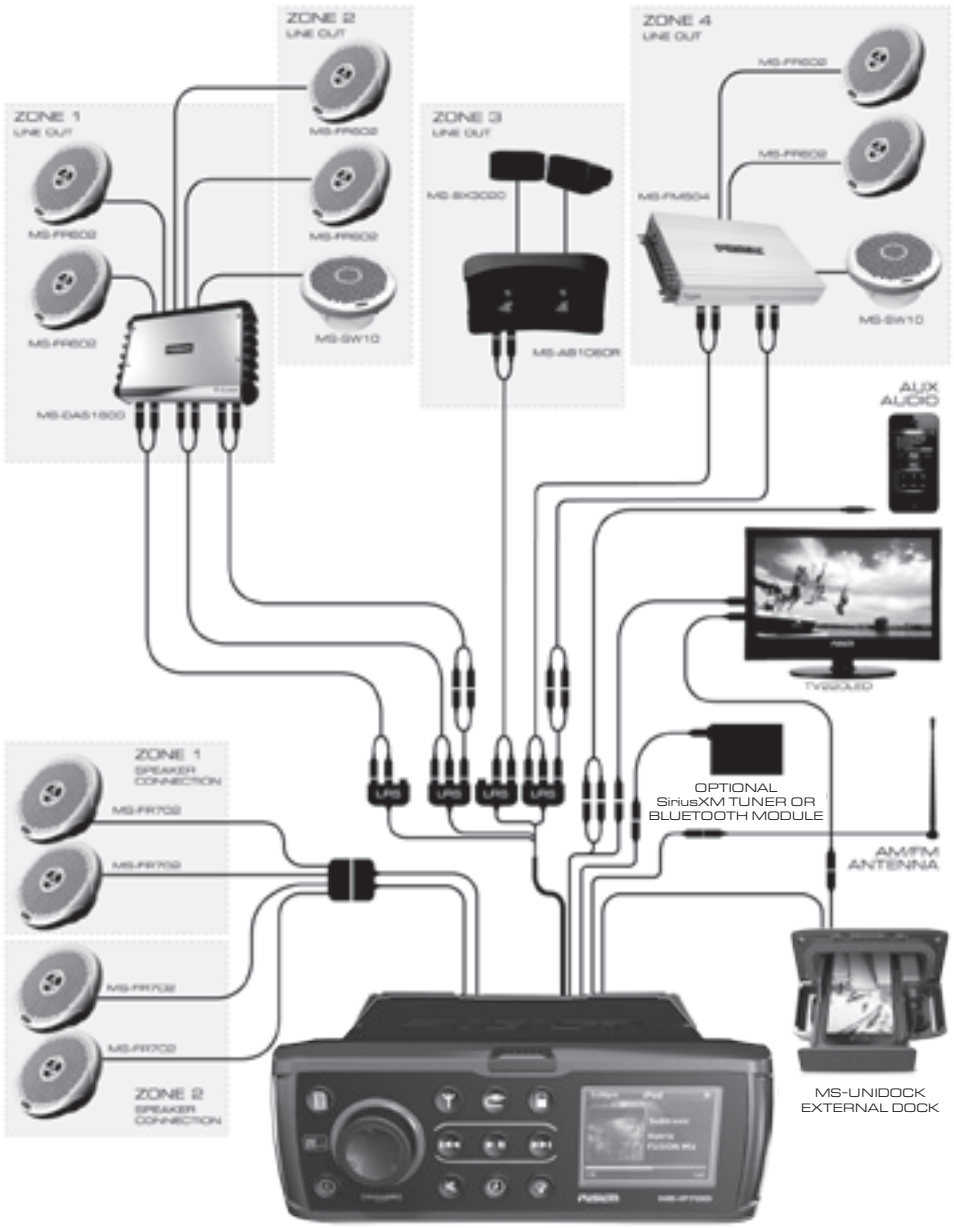




ELECTRICAL WIRING

Caution: The MS-IP700i and MS-AV700i are designed for vessels with a 12C DC Negative ground electrical system.

700 Series CONNECTION EXAMPLE



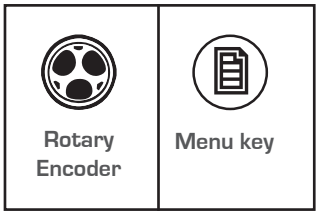
MS-IP700i or MS-AV700i

ZONES

Zone 1 and 2 are powered by the on board Class-D amplifier. External amplifiers are required to utilize the 4 line outputs and 4 subwoofer outputs. You can pre-set the balance, volume limit, sub-woofer level and name for each of the four Zones available on the 700 Series. If required, you can also:

- Enable or disable Zones 2, 3 and 4 (Zone 1 is always enabled).
- Enable or disable volume control (Zones 3 and 4 only).
- Link Zones 1 and 2.

For further details, see instructions below.



Selecting and setting up a zone

To select a Zone and modify its settings:

1. Press the Menu key.
2. Turn and then press the Encoder to select **Settings > Zone.**
3. Turn and then press the Encoder to select the Zone you wish to work with.
4. Use any of the following instructions to update settings for the selected Zone.

Enabled

Zones 2–4 can be disabled if required. This is useful, for example, if only two Zones have been set up, as disabled Zones are not displayed in any screens when setting levels.

To enable or disable the selected Zone:

a. Select the **Enabled** menu item.
b. Press the Encoder to enable (☑) or disable (☐) the selected Zone.
c. Press any key to exit

Important: If a Zone is disabled, you cannot change any of the following settings for that Zone.

Disable Internal Amplifiers
Disable the internal amplifiers for Zones 1 and 2. For example, if external amplifiers are used for Zones 1 and 2 the internal amplifiers can be disabled to reduce power consumption.

To enable or disable the internal amplifiers for Zones 1 and 2:
1. Press the Menu Key.
2. Turn and press the Encoder to select **Settings > Zone**.
3. Select the **Internal amplifier on** menu item.
4. Press the Encoder to disable (☐) or enable (☑) the amplifiers
5. Press any key to exit

Volume control
Zones 3 and 4 can have volume control disabled. You should disable volume control for a Zone that has its volume controlled from another amplifier or Head unit. If volume control is:

- **Enabled**: turning the Encoder will change line level output for the selected Zone only.
- **Disabled**: turning the Encoder will not change line level output for the selected Zone.

To enable or disable volume control:
a. Select the Volume Control menu item.
b. Press the Encoder to enable (☑) or disable (☐) volume control.
c. Press any key to exit

Link to zone 1
Zones 1 and 2 can be linked so that any volume or sub-woofer level changes are applied to both Zones. A small "+" sign is displayed on screen between Zones 1 and 2 when this feature is enabled.

To link Zone 2 level to Zone 1 level:
a. Select the **Link to zone 1** menu item.
b. Press the Encoder to link the two Zones (☑) or unlink (☐) the Zones.
c. Press any key to exit

Balance

To specify the balance for the selected Zone:

a. Select the **Balance** menu item.
b. Turn the Encoder to the left or right to adjust the Balance for the selected Zone.
c. Press any key to exit

Volume limit

This feature is useful to limit the volume level to prevent excessive noise levels in specific Zones.

To specify the volume limit for the selected Zone:

a. Select the **Volume Limit** menu item.
b. Turn the Encoder to adjust the volume limit for the selected Zone.
c. Press any key to exit

Sub-woofer level

External amplifiers are required to add up to 4 subwoofers to the system
A single screen is used to set the sub-woofer level for all Zones.

You can access the screen:

- directly from any input source screen by pressing and holding down the Encoder, or
- from a selected Zone's **Sub level** menu item, as described below.

To specify the sub-woofer level for the selected Zone:

a. Select the **Sub level** menu item. The Sub level screen is displayed with the first Zone highlighted.
b. Turn the Encoder to adjust the sub level for the highlighted Zone.
c. If required, press the Encoder to accept the sub level and move automatically to the next Zone.
d. Press any key to exit

Name

Initially, the Zones are named Zone 1–4, but you can give each zone a name of your choice (up to 10 characters in length). The available characters include all the uppercase letters, all the lowercase letters, space and numbers. While changing the Zone name, you can:

- Exit without saving any changes: press the Menu key.
- Exit and save any changes: press and hold down the Encoder.

To enter the name for the selected Zone:

a. Select the Name menu item. The current Zone name is displayed with the first character highlighted.

b. If required, press the Forward (or Backward) key to highlight the character you wish to change.
c. Turn the Encoder to display the required value for the highlighted character.
d. Press the Encoder to accept the displayed value and move to the next character.
e. Repeat Steps b–d until you have worked through all the characters you wish to change.
f. Press and hold down the Encoder to save the changes and exit.

PREPARING FOR iPod, MTP DEVICE OR USB CONNECTION

This section describes how to prepare for iPod, MTP device and USB input for the MS-IP700i, MS-AV700i and MS-AV700 models.

When using your music device with either model:

- Always disconnect your device from the stereo when not in use and do not leave in your vessel. This helps reduce risk of theft or damage as vessel cabins can reach extreme temperatures.
- Do not remove the music device or use your stereo in a distracting manner while operating the vessel. Check and obey all marine laws in association with use.

ANDROID (MTP) SUPPORT: MTP is a standard developed for connecting media (music) devices over USB. It has been adopted on a number of platforms including Android. FUSION currently supports a range of smartphones utilising MTP.

Refer to **www.fusionelectronics.com** for the latest list of support devices.

MS-IP700i MODEL

Note: If you select iPod, MTP or USB input without first connecting the device, the message "Not connected" is displayed on the screen.
Important Note: Connecting Supported iPods and iPhones to a MS-IP700i Stereo

The MS-IP700i provides two connection options for iPod and iPhone users. Supported devices may be either inserted into the internal dock or connected to the external USB connector.

Note: The internal dock does not support MTP devices and Apple devices featuring an Apple Lightning connector. An external FUSION MS-UNIDOCK is recommended for this purpose.

The MS-IP700i Stereo does NOT support multiple iPod or iPhone devices connected simultaneously. Correct operation is only guaranteed with a single iPod/iPhone device connected.

Before connecting iPod

To avoid damage and ensure safe operation, please read the following information before using your iPod.

- Please ensure iPod dock connector is clean, dry and free from damage.
- Check that the unit's iPod dock is free from obstructions.
- Insert correct sleeve combination to match your iPod (never insert iPod without the correct sleeve).
- Ensure iPod is inserted with display facing upwards.
- Never force your iPod into the dock, if the iPod does not mate with reasonable ease, the sleeve/iPod combination is most likely incorrect.
- Take care when removing iPod from unit as surfaces may be warm.
- Do not use a sleeve or cover on the Apple device.

To insert your iPod:

1. Press the door catch and open the control panel door.

2. Insert your iPod in its sleeve (see iPod compatibility sheet supplied separately). Make sure that the device is firmly pushed onto the connector socket.

3. Close the control panel door firmly.

4. Select the audio source, as required.

MS-AV700i and MS-IP700i Models

The 700 Series stereos provide an external USB connector (rear cable assembly) for connection to external iPods, iPhones, MTP, USB storage devices or FUSION MS-UNIDOCK dock.

To connect your iPod, you will need:

- Marine UNI-Dock (MS-UNIDOCK), or
- Apple Sync Cable for Apple devices

or the Micro-USB cable for your MTP device.

To connect your USB flash drive, you will need:

- Marine UNI-Dock (MS-UNIDOCK), or
- Connect your USB flash drive directly to the external USB cable.

Note: If you select iPod, MTP Devices or USB input without first connecting the device, the message "Not connected" is displayed on the screen.

To connect your iPod, MTP device or USB FLASH drive to the 700 Series via a UNI-Dock:

IMPORTANT NOTE: ONLY PHONES AND DEVICES THAT FEATURE BOTTOM MOUNTED CONNECTORS ARE SUPPORTED. DEVICES WITH SIDE CONNECTORS ARE NOT SUPPORTED.

Portable media device dock
(MS-UNIDOCK)

1. Slide the door catch and open the door of the UNI-Dock.
2. To connect your Apple or MTP device, first select the appropriate adaptor cable, provided with the UNI-Dock. Slide out the tray and using the adaptor cable connect your device to the internal USB connector. Place your device in the tray and slide the tray back into the UNI-Dock. Close the door firmly.
3. To connect your USB FLASH drive insert it directly into the USB internal connector.
4. Select the source (USB, MTP or iPod) from the FUSION Stereo, as required.

To connect your iPod, MTP device or USB FLASH drive via the external USB cable:

1. Plug the Apple Sync Cable for Apple devices or the Micro-USB cable for your MTP device into your device.
2. Connect your device to the USB Cable at the rear of the stereo.
3. Select the source (USB, MTP or iPod) from the FUSION Stereo, as required.

IMPORTANT NOTE: The MS-IP700i Stereo (with internal dock) does NOT support multiple iPods connected simultaneously. Correct operation is only guaranteed with a single device connected.

BLUETOOTH MEDIA DEVICE.

MS-AV700i and MS-IP700i Models

The external MS-BT200 Bluetooth module is designed to provide Bluetooth audio streaming from a compatible smartphone or media player directly to your FUSION marine stereo. The MS-BT200 is connected to the Satellite Radio connector of your stereo.

Note: The MS-BT200 cannot be operated simultaneously with a Satellite Radio receiver. For installations where the Satellite Radio socket is not available the FUSION MS-BT100 audio onlyBluetooth module is recommended.

The MS-BT200 supports control (Play/Pause/Next/Back) of the media device from the FUSION Stereo. Song information such as song title, artist name and duration are displayed, depending on the capability of your phone and music application.
The MS-BT200 does NOT provide phone call control. Hands free operation of the phone is not supported from the FUSION stereo.

ENABLE BLUETOOTH SOURCE

If you have installed the MS-BT200 Bluetooth module or SiriusXM Tuner (USA Only) you will need to enable the source. This operation will be determined by the Tuner region you have selected.

Tuner Region - USA

When USA Tuner region is selected, press the menu button and select Settings>Sources>Accessory then select the source to enable SiriusXM or Bluetooth.

Tuner Region - Australasia-Europe-Japan

In these Tuner regions once the MS-BT200 is installed and connected the source will be available.

PREPARING FOR AUXILIARY INPUT

Connecting auxiliary device
Connect the auxiliary device to the AUX IN cable (White and Red RCA sockets) at the rear of the 700 Series.

Auxiliary	Rewind	Fast Forward

Adjusting Auxiliary input level

Many different types of auxiliary device (TV, DVD, Game Console, Media player) can be connected to the 700 Series, and these devices will have either a line output or headphone output jack.

To allow for the wide range of input levels from these devices, the AUX input has adjustable input gain. This should be adjusted to achieve a similar volume level to the other (fixed gain) input sources on the 700 Series.

To adjust auxiliary input level by changing the gain:

- Increase gain (volume) by pressing the Forward key (1 dB steps up to 9dB)
- Decrease gain by pressing the Rewind key (1 dB steps down to -9dB).

Recommended settings are listed below:

AUX Device	AUX gain setting (dB)
Portable media player with headphone output	-9dB to -6dB
CD/DVD player with line output	-6dB
Portable media player with line output	0dB
Game console with line output	0dB
Older audio/visual equipment with line output (for example: VHS or cassette deck)	6dB to 9dB

Note: When using the headphone output of a portable device, it may be necessary to adjust the device's own volume control for best audio quality.

CLOCK SETTING

The 700 Series unit has a built-in clock that can display the time in 12-hour or 24-hour mode.

To set the clock:

1. Press the Menu key.
2. Turn and then press the Encoder to select **Settings > Clock > Set clock**.
   The Set Clock screen is displayed.
3. Turn the Encoder to change the hour setting.
4. If required, press the Encoder to move to the minutes field. Turn the Encoder to change the minutes setting.

5. If required, press the Encoder to move to the AM/PM field (displayed in 12 hour clock mode only. See Step 7 below). Turn the Encoder to change the AM/PM setting.
6. Press the Encoder to save the time and exit (the time out feature does not operate here).
7. If you want to use the 24 hour clock display (13:09 rather than 1:09 pm, for example), make sure the **24 hour** checkbox is selected (☑). See Steps 2–3 below.
8. Press the Menu key (or leave to time out) to save the current setting and exit.

To select 12 or 24 hour clock display mode:

1. Press the Menu key.
2. Turn and then press the Encoder to select Settings > Clock > 24 hour.
3. Press the Encoder to select the 24 hour clock display (13:09 rather than 1:09 pm, for example) (☑)
4. Press any key to exit

SiriusXM SATELLITE RADIO

Everything worth listening to is on SiriusXM, getting over 130 channels, including the most commercial-free music, plus the best sports, news, talk and entertainment. A SiriusXM Vehicle Tuner (sold separately) and Subscription are required.

The 700 Series is ready to connect to a SiriusXM radio receiver (USA only). The SiriusXM tuner is an optional extra that must be purchased separately.

Enabling the SiriusXM Source

If you have installed the SiriusXM Tuner (USA Only) you will need to enable the source. Firstly, ensure the Tuner Region is set to USA.

Select Settings>Tuner Region > USA

When USA Tuner region is selected, press the menu button and select Settings>Sources>Accessory then select the source to enable SiriusXM.

Activating your SiriusXM tuner

You must activate the SiriusXM tuner before you can begin to receive the SiriusXM Radio Service.

In order to activate your radio subscription, you will need the SiriusXM ID (SXID) which uniquely identifies your tuner. The 8 digit SXID is displayed on the LCD on initialization. MS-IP700i and MS-AV700i will display the SXID on Channel 0.

Power on your system and make sure that you are receiving good signal, you are able to hear audio on the SiriusXM Preview channel (Channel 1)

To listen to SiruisXM Satellite Radio, a subscription is required.

SiriusXM menu options

Press the Menu key to display the SiriusXM menu that provides access to various control options. Read on to learn more about using the Channels, Category and Parental options.

Channels

You can use the Channels menu item to access a specific channel either through All channels or via a specific category.

To select a channel:

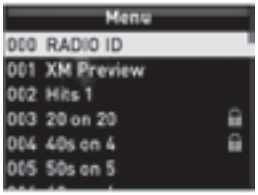
1. Press the Menu key.
2. Turn and then press the Encoder to select **Channels.** The Channels menu is displayed.

3. Do one of the following:
   - To select a channel from the list of all channels, press the Encoder to select All channels.
   - To select a channel in a specific category, turn and then press the Encoder to select a category name (Pop, for example).

4. Turn and press the Encoder again to select the channel you wish to play.
5. Press the Menu key to exit the current menu or press and hold the Menu key to close the menu completely.

Padlock icon

- The padlock icon means the channel is locked or considered mature content. If you select this channel you will be asked to unlock parent mode, if it is not already unlocked.



Category
You can use the Category menu item to control which categories of channels are available (Rock, for example) when you are using the Category tuning method (see “Tuning Methods” on page 16.

To select a Category:

1. Press the Menu key.
2. Turn and then press the Encoder to select Category.
3. Do one of the following:

- To enable the Category Tuning method, turn and then press the Encoder to select the required category name, “Rock” for example:

The Sirius Source Screen is displayed with the Tuning mode indicator set to ‘Category’.

- To disable the Category tuning method, press the Encoder to select All channels. The SiriusXM Source Screen is displayed with the Tuning mode indicated set to 'Manual'.

4. Press the Menu key to exit the current menu or press and hold the Menu key to close the menu completely.

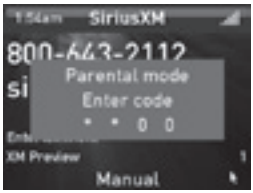
Parental mode

Parental mode provides a way of preventing access channels marked by SiriusXM as "Mature" or "Locked". You must enter a 4-digit access code to enter Parental mode. When in Parental mode you can also change the 4-digit access code.

Note: The factory setting for the access code is 0000. You can reset the access code to 0000 by pressing and holding down the Mute key for 15 seconds.

To enter Parental menu:

1. Press the Menu key.
2. Turn and then press the Encoder to select Parental > Unlock. The following access screen is displayed with the first digit highlighted:



3. Enter the access code by turning the Encoder to change the highlighted digit, then press the Encoder to select the next digit. When you have entered all four digits correctly, Parental mode is unlocked.

To change the Parental mode access code:

1. Press the Menu key.
2. Turn and then press the Encoder to select Parental > Change code. The following access screen is displayed with the first digit highlighted:

3. Enter the old (current) access code by turning the Encoder to change the highlighted digit, then press the Encoder to select the next digit. When you have entered all four digits correctly, you will be prompted to enter the new access code.
4. Enter the new access code by turning the Encoder to change the highlighted digit, then press the Encoder to select the next digit. When you have entered all four digits correctly, you will be prompted to enter the new access code for a second time.
5. Press the Menu key (or leave to time out) to save the new code and exit.

Channel Locking / unlocking

Any channels (not just mature content channels) can be locked. Locked channels cannot be seen in the Sirius Source Screen or when changing channels with the Forward and Backward keys. Locked channels can be accessed in parental mode only.

To access a locked channel:

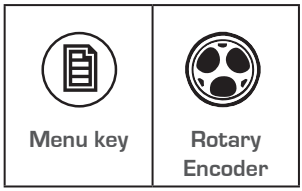
1. Press the Menu key.
2. Do one of the following:
   a. Turn and then press the Encoder to select **Parental > Unlock.**
   OR
   a. Turn and then press the Encoder to select **Parental > Channels.**
   b. Tune to the channel you require. This channel will display a padlock icon, to the right of the screen.
3. Enter your access code.
4. Press the Menu key to return to the Sirius Source Screen.

To lock or unlock a channel:

1. Press the Menu key.
2. (if required) turn and then press the Encoder to select **Parental > Unlock**. Enter your access code.
3. Select the **Lock/Unlock** menu item.
4. Turn the Encoder to highlight a channel then press the Encoder to lock (☑) or unlock (☐) the channel, as required.
5. Press the Menu key (or leave to time out) to exit.

ADVANCED SETTINGS

The settings described in this section are usually set up when the unit is installed and not changed again.



Sub filter

Use the sub filter setting to control the sub-woofer cutoff frequency. Audio signals above the selected frequency will not be passed on to the sub-woofer. The sub filter settings apply to all sub-woofer outputs.

To change the sub filter setting:

1. Press the Menu key.
2. Turn and then press the Rotary Encoder to select **Settings > Sub filter.**
3. Turn the Rotary Encoder to select the required filter frequency.
4. Press the Rotary Encoder to save the setting and exit.
5. Press any key to exit

Key sound

The 700 Series makes a short beeping sound when any key is pressed. This feature can be turned on or off, as required.

To enable or disable the key sound:

1. Press the Menu key.
2. Turn and then press the Rotary Encoder to select Settings > Key sound.
3. Press the Rotary Encoder to turn on key sound (audible beeps) (☑) or turn off key sound (silent) (☐)
4. Press any key to exit

Language

The 700 Series can display menus and screens in English, Dutch, French, German, Italian or Spanish.

To select the required display language:

1. Press the Menu key.
2. Turn and then press the Encoder to select **Settings > Language.**
3. Turn the Encoder to select the required language.
4. Press the Encoder to save the setting and exit.
5. Press any key to exit

Searching

If your music device contains more than 100 artists, songs or albums, you can use FUSION Alpha Search Technology (FAST) to quickly navigate by letter or number. Use this option to control when to display the FAST menu.

- Off. The song/album list is displayed but not the FAST menu.
- 100–800. Display the FAST menu when your device contains more than the selected number of items.

Power save

If you are operating the 700 Series on battery power, you can turn on the power save option to reduce drain on the battery. The LCD screen shuts down automatically after 1 minute of inactivity (press any key to restore display).

To enable or disable power saving mode:

1. Press the Menu key.
2. Turn and then press the Encoder to select **Settings > Power save.**
3. Press the Encoder to turn on power saving (☑) or turn off power saving (☐).
4. Press any key to exit

Tel mute

Use this option to control which action is taken when the 700 Series is connected to a cellphone hands-free kit.

To change the Tel mute setting:

1. Press the Menu key.
2. Turn and then press the Encoder to select **Settings > Tel mute.**
3. Turn the Encoder to select the required option:
   - **Mute.** Mutes the audio output from the 700 Series when a call is received on your cellphone.
   - **Aux.** Allows the received call to be broadcast through the Auxilary input on the 700 Series.
     Note: This feature may not operate all available hands-free kits. Hands free kit must be connected to the TELMUTE input and AUX input.
4. Press the Rotary Encoder to save the setting and exit.
5. Press any key to exit

Tuner region

Use this option to select the correct region .

To change the tuner region setting:

1. Press the Menu key.
2. Turn and then press the Rotary Encoder to select **Settings > Tuner region.**
3. Turn the Rotary Encoder to select the required region.
4. Press the Rotary Encoder to save the setting and exit.
5. Press any key to exit

VHF region

Use this option to select the correct VHF tuning region. Please refer to the specifications section for additional channel information.

To change the VHF region setting:

1. Press the Menu key.
2. Turn and then press the Rotary Encoder to select the **Settings > VHF region.**
3. Turn the Rotary Encoder to select the required region.
4. Press the Rotary Encoder to save the setting and exit.
5. Press any key to exit

Sources

Use this option to turn the AM or VHF tuner source on or off, if required. This is useful if you only listen to FM and do not wish to step through AM and VHF when selecting a tuner source.

The Sources option also enables you to select a name for AUX input and configure the shared SiriusXM/Bluetooth input source.

To enable or disable the AM of VHF tuner sources:

1. Press the Menu key.
2. Turn and then press the Encoder to select the **Settings > Sources.**
3. If required, press the Encoder to enable the AM source (☑) or disable the AM source (☐).
4. If required, turn the Encoder to select **VHF** then, press the Encoder to enable the VHF source (☑) or disable the VHF source (☐).
5. Press any key to exit.

Set Aux name

Select `Set Aux name' to give the AUX input a name that is more representative of the device connected to the AUX input. Select a name from the available list. The name is displayed on the AUX Source screen along with a matching graphic.

Accessory (Shared BT-200 Bluetooth & SiriusXM Source)

If you have installed the MS-BT200 Bluetooth module or SiriusXM Tuner (USA Only) you will need to enable the source. This operation will be determined by the Tuner region you have selected.

Tuner Region - USA

When USA Tuner region is selected, press the menu button and select Settings>Sources>Accessory then select the source to enable SiriusXM or Bluetooth.

Tuner Region - Australasia-Europe-Japan

In these Tuner regions once the MS-BT200 is installed and connected the source will be available.

Set device name

Select `Set Device Name' to give the Stereo a network name of your choice. The name is visible to other devices (Marine Wired Remotes MS-NRX200i) connected to the same FUSION network. Rotate the rotary encoder to change the character. Press the rotary encoder to select. Press the `Previous' button to delete characters. · To save changes press the `Play' key. · To exit without saving any changes: press the Menu key.

About

This option displays the Stereo software version, remote control version and FUSION-Link software versions.

Internet Protocol (IP) Setting (700 Series Only)
FUSION has provided additional Ethernet network configuration options. A Static IP address function has been added allowing installers to configure the 700 Series either for dynamic (DHCP) or Static IP address allocation.
WARNING: IF THE 700 SERIES STEREO IS CURRENLTY CONNECTED TO AN ETHERNET NETWORK APPLYING INCORRECT IP SETTINGS MAY CAUSE THE STEREO TO BECOME DISCONNECTED FROM THE NETWORK.

To change the IP Setting:
1. Press the Menu key.
2. Turn and then press the Encoder to select Settings > IP Address.
3. Press and turn the Rotary Encoder to select one of the following settings.
Static IP/DHCP
For Ethernet networks with a DHCP router installed select DHCP (default setting). This function allows the network router to allocate a dynamic IP address to the FUSION Stereo.
For installations requiring a Static IP address, select Static IP. A Static IP screen will be displayed with the following fields;

Static IP Address		
IP Address	Mask	Default GW (Gateway)
000.000.000.000	000.000.000.000	000.000.000.000

1. Use the Forward/Rewind keys to select the IP field.
2. Turn the Encoder to display the required value.
3. Repeat Steps 1 and 2 until you have worked through all the fields you wish to change.
4. Press and hold down the Encoder to save the changes and exit. or press the Menu key to exit without saving the changes.

Factory Reset
The factory reset function will return all settings in the 700 Series to the factory default value.

Warning: All AM, FM and VHF station presents are erased. Tuner and VHF tuner regions are reset to USA. All zones are enabled and zone settings, tone, subwoofer filter settings, source settings and device name are returned to default values.

To reset your 700 Series to factory default values:

1. Press the Menu Key.
2. Turn and press the Encoder to select **Settings > Update.**
3. Turn and press the Encoder to select **Factory reset.** All settings will be restored to the factory default. At the completion of the reset process the stereo will automatically power down and restart.

APPENDICES

TROUBLESHOOTING

Problem	Solution
General	
The unit does not respond to key presses.	• Reset the unit by pressing the Reset button inside the control panel door.
What is the best way to prevent corrosion on my 700 Series chrome finish?	As with all products exposed to the harsh marine environment, a little care will help to preserve the finish. FUSION recommends that you clean any salt water and/or salt residue from the front panel with a damp cloth soaked in fresh water.

Problem	Solution
SiriusXM	
When I press the tuner source button the SiriusXM screen is not displayed.	Ensure you have the MS700i Tuner region set to 'USA'. Press Menu > Settings > Tuner region > and select 'USA'. Ensure the source is enabled. Select; Settings>Sources>Accessory then select the source to enable SiriusXM. • Ensure the SiriusXM module is plugged into the MS700i. • Unplug the SiriusXM module and check the pins in the SiriusXM plug are not damaged.
SiriusXM message: 'Check Tuner'	• Ensure the SiriusXM module is plugged into the MS700i. • Ensure the SiriusXM cable has not been damaged.
SiriusXM message: 'Check Antenna'	• Ensure the antenna is plugged into the SiriusXM Tuner module. • Ensure the antenna is not damaged. • Ensure the antenna cable has not been damaged
SiriusXM message: 'No Signal'.	• Ensure the antenna is not damaged. • Ensure the antenna has a clear view of the sky and is not obscured. • Ensure the antenna cable has not been damaged
SiriusXM message: 'Channel xx Not Available'	A SiriusXM message informing you that the current channel is unavailable. Possible causes are SiriusXM has removed the channel or your SiriusXM subscription has changed. • Contact SiriusXM to update your subscription.

SiriusXM message: 'Channel xx Unsubscribed'	• Contact SiriusXM to update your subscription.
SiriusXM message: 'Subscription Updated'	A SiriusXM message informing you that you have either been granted access to or unsubscribed from various channels.

Problem	Solution
Bluetooth	
Why does my FUSION Head Unit not see my MS-BT200 Bluetooth Module?	If you have installed the MS-BT200 Bluetooth module or SiriusXM Tuner (USA Only) you will need to enable the source. This operation will be determined by the Tuner region you have selected. **Tuner Region - USA** When USA Tuner region is selected, press the menu button and select Settings>Sources>Accessory then select the source to enable SiriusXM or Bluetooth. **Tuner Region - Australasia-Europe-Japan** In these Tuner regions once the MS-BT200 is installed and connected the source will be available.
Why does my Bluetooth source not display all song information	The availability of song information such as song title, artist name, track duration and album cover artwork is dependent on the capability of your phone and music application. Album cover artwork and Shuffle/Repeat Status icons are not supported over Bluetooth.
My Bluetooth audio is interrupted by short breaks.	Bluetooth performs best with line-of-sight operation. Ensure the music device is not covered or obstructed and is located near the Bluetooth module. To prevent interruption to audio streaming over Bluetooth it is recommended that the Discoverable feature is turned off after pairing your device to the FUSION Stereo.

Problem	Solution
iPod	
Why does my FUSION Head unit keep locking up when connected to my iPod/iPhone?	If you are experiencing software lock-ups or your unit freezes: • Reset the Head unit by pressing the reset button inside the face plate. • Reset your iPod/iPhone (see Apple website from model-specific information). This should resume normal operation. • Make sure you have the latest version of iTunes and the latest operating software in your iPod/iPhone. It is important to update software when Apple releases new versions. If you are connected via a dock, ensure you are using the correct sleeve and the connection to the Head unit is secure.
Will my iPod/iPhone connect to my FUSION product if the battery is flat?	No. It will take a number of minutes for the Apple product to get a minimum level of charge before it can connect and become operational. Please connect and wait for the unit to initialise.
My Apple Device has gone into thermal protection	Caution: The internal dock temperature of the MS-IP700i will be slightly higher than the ambient temperature outside the head unit. Should your Apple iPhone or iTouch shut down due to exceeding the operating temperature please carefully remove it from the MS-IP700i and allow it to cool down before using again. Using your Apple device in a low charged state will increase the heat generated whilst it is charging. For more information relating to this please follow the Apple support web site link below.
Why does my MS-IP700i Stereo not connect to my second iPod?	The MS-IP700i Stereo (with internal dock) does NOT support multiple iPods connected simultaneously. Correct operation is only guaranteed with a single device connected.
My iPod/iPhone will not connect to the Head unit while in the dock.	If your Head unit displays "Not Connected" while using iPod as input source: • Check that you are using the correct sleeve combination. If you have the incorrect sleeve combination this could prevent the iPod connector from mating correctly. It could also damage the connector in the dock or your iPod/iPhone itself. If you are still unable to connect once you know for certain you have the correct iPod/iPhone–sleeve combination: • Ensure that you have the latest version of operating software installed in your iPod/iPhone and the latest iTunes version. To do this, connect your iPod/iPhone to iTunes and it will check and, if necessary, prompt you to download the latest version. If you are still unable to connect once you have confirmed that you have the latest software or you have updated your iPod/iPhone: • Reset the iPod/iPhone (see the user manual for your Apple product) and also reset the Head unit (see FUSION user manual). If you are still unable to connect: • Contact your FUSION dealer or contact FUSION via the tech email on the FUSION website.

Problem	Solution
MTP Device	
Why has my MTP device become unresponsive?	FUSION recommends that folders contain no more than 300 files each. Exceeding this limitation may cause the phone to become unresponsive and the FUSION Stereo to reset the USB link to the phone. Note: Different operating systems and phones provide varying levels of support for MTP.
Why can't the FUSION stereo find my music files?	Music files must be located in a folder using one of the following names. The folder must be located in the root directory of your device. My Music My_Music mobile Music

Problem	Solution
Wireless Remote App for iPad and iPhone	
My FUSION-Link Wireless application displays "No stereo available"	The first thing to check is that you are connected to the correct wireless network for the 700 Series.Once you have confirmed this close the App on the device and restart it (consult the manufacturers website for instructions on restarting) . If this fails check that you have a valid IP address on the 700 Series and follow the instructions in the below tech support item
My FUSION-Link Wireless remote aplication wil not connect to my 700 Series stereo	The first thing to check is that the 700 Series is displaying a valid IP address on the about screen. Select the settings menu then about to confirm. If the display is " IPNone " the router is either not a compatible DHCP product or not configured correctly. If the IP address starts with the prefix 169. it is not valid, this is a default address when the router is not sending a DHCP generated IP address or is configured incorrectly. Please review the Router's instruction manual or contact the manufacturers website for technical help.

SPECIFICATIONS

FCC compliance statement

This device complies with part 15 of the FCC rules. Operation is subject to the following two conditions:

- this device may not cause harmful interference, and
- this device must accept any interference received, including interference that may cause undesired operation.

General specifications

Operating voltage ..... 10.2–16 VDC negative ground
Fuse rating ..... 15 amp

DVD player

Laser power ..... Class I

Power output

Maximum ..... 70 W x 4
26 WRMS per channel at 4 ohms
45 WRMS per channel at 2 ohms
Pre-output voltage ..... 3 VRMS

Auxiliary input sensitivity

The 700 Series AUX input sensitivity is 1V RMS when gain is set to 0dB.

- Increasing the gain by 6dB doubles the input sensitivity (0.5V RMS for same volume).

Tuning range

Europe and Australasia

FM radio frequency range 87.5–108 MHz.
Frequency step 100 kHz
AM radio frequency range 522–1620 MHz.
Frequency step 9 kHz

USA

FM radio frequency range 87.5–107.9 MHz.
Frequency step 200 kHz
AM radio frequency range 530–1710 MHz.
Frequency step 10 kHz

Japan

FM radio frequency range 70–90 MHz.
Frequency step 50 kHz
AM radio frequency range 522–1620 MHz.
Frequency step 9 kHz

VHF tuning range

All regions
Frequency range: 156–164 MHz

The following additional channels are available within each specific VHF tuner region (Please refer to selecting the VHF tuner region on pg. 56).

Designator	Frequency
USA Region	
01 Wx	162.550
02 Wx	162.400
03 Wx	162.475
04 Wx	162.425
05 Wx	162.450
06 Wx	162.500
07 Wx	162.525
Canada Region	
01 Wx	162.550
02 Wx	162.400
03 Wx	162.475
International Region	
M1 *(only transmitted in Britain)*	157.850
M2 *(only transmitted in Britain)*	161.425

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